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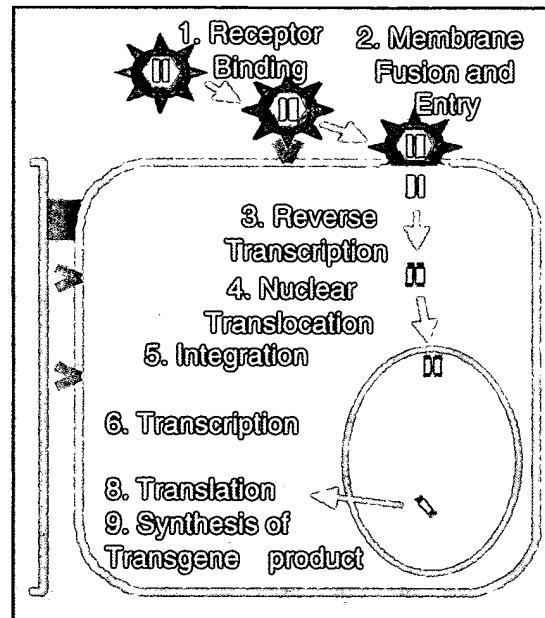


Fig. 1

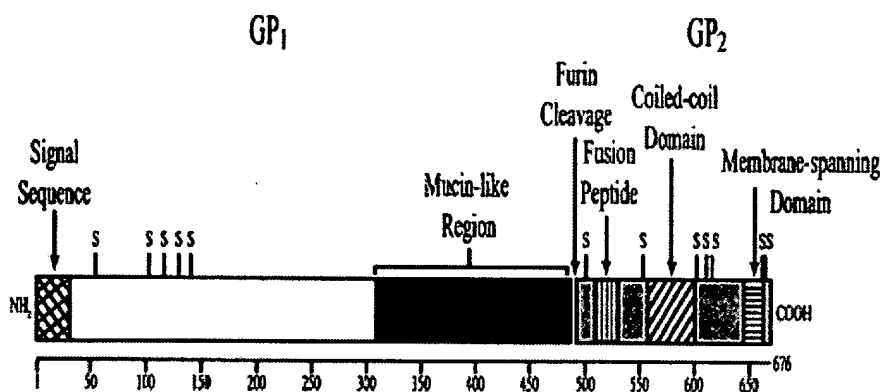


Fig. 2

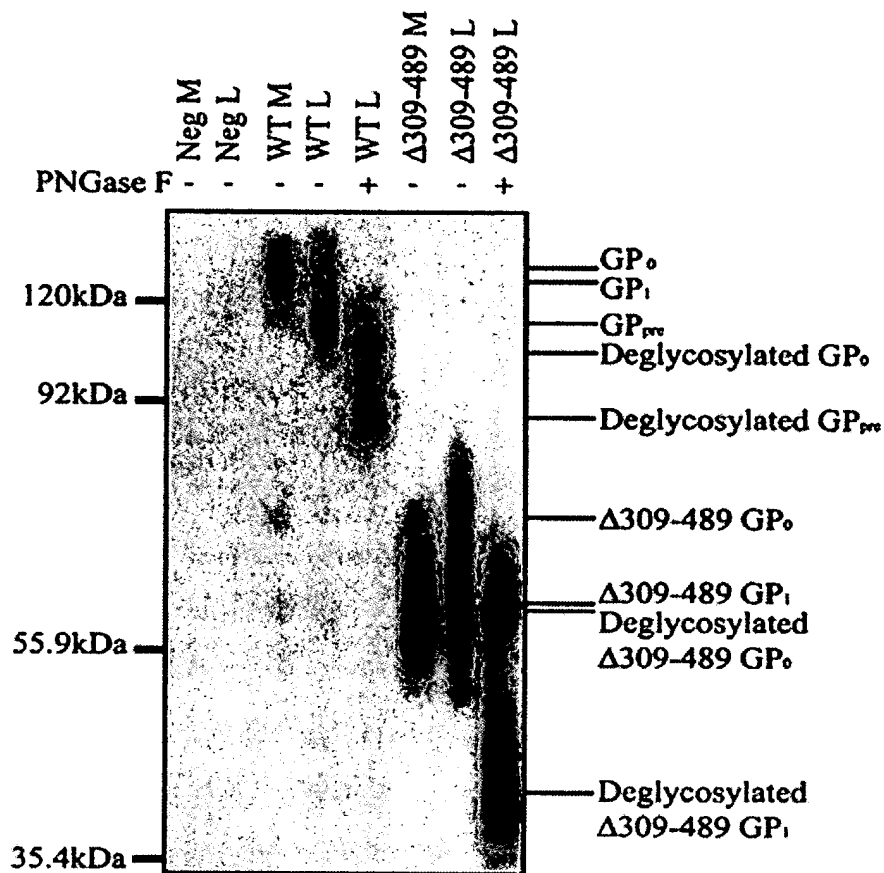


Fig. 3



Fig. 4

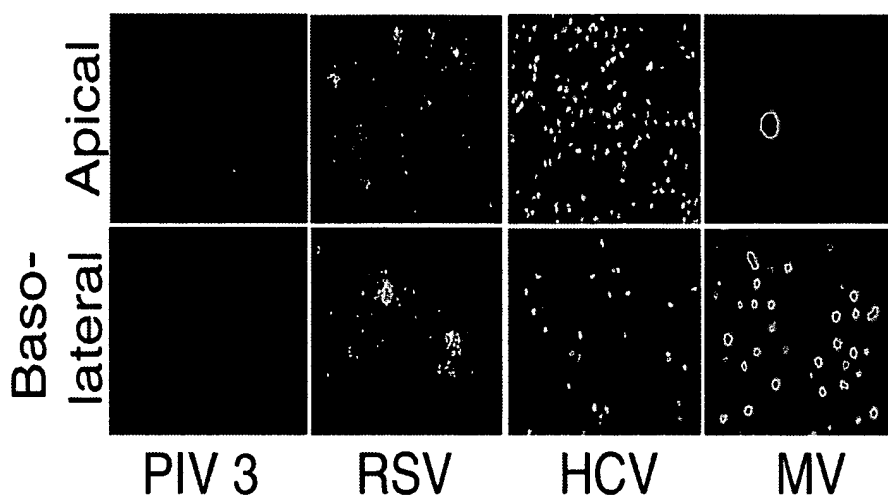


Fig. 5

1	MKTTTCFLISL	ILIQGTKNLP	ILEIASNNQP	QNVDSVCSGT	LQKTEDVHLM
51	GFTLSGQKVA	DSPLEASKRW	AFRTGVPPKN	VEYTEGEEAK	TCYNISVTD
101	SGKSLLDPP	TNIRDYPKCK	TIHHIQGQNP	HAQGIALHLW	GAFFLYDRIA
151	STTMRYRGKVF	TEGNIAAMIV	NKTVHKMIFS	RQQQGYRHMN	LTSTNKYWTS
201	SNGTQTNDTG	CFGALQEYNS	TKNQTCAPSK	IPPPLPTARP	EIKLTSTPTD
251	ATKLNTTDPS	SDDEDLATSG	SGSGEREPTH	TSDAVTKQGL	SSTMPPTPSP
301	QPSTPQQGGN	NTNHSQDAVT	ELDKNNTTAQ	PSMPPHNTTT	ISTNNTSKHN
351	FSTLSAPLQN	TTNDNTQSTI	TENEQTSAPS	ITTLPTGNP	TTAKSTSSKK
401	GPATTAPNTT	NEHFTSPPTT	PSSTAQHLVY	FRRKRSILWR	EGDMFPFLDG
451	LINAPIDFDP	VPNTKTIFDE	SSSSGASAE	DQHASPNSL	TLSYFPNINE
501	NTAYSGENEN	DCDAELRIWS	VQEDDLAAGL	SWIPFFGPGI	EGLYTAVLIK
551	NQNNLVCRLR	RLANQTAKSL	ELLRLVTTEE	RTFSLINRHA	IDFLLTRWGG
601	TCKVLGPDCC	IGIEDLSKNI	SEQIDQIKKD	EQKEGTGWGL	GGKWWWTSDWG
651	VLTNLGILL	LSIAVLIALS	CICRIFTKYI	G	

Fig. 6

.....L I A L S C I C R I F T K Y I G.
↓ Transmembrane Domain ↓
C671AL I A L S [A] C R I F T K Y I G.
C673AL I A L S C I [A] R I F T K Y I G.
C671SL I A L S [S] C R I F T K Y I G.
C673SL I A L S C I [S] R I F T K Y I G.
Y679StopL I A L S C I C R I F T K₀
Y676StopL I A L S C I C R K₀

Fig. 7

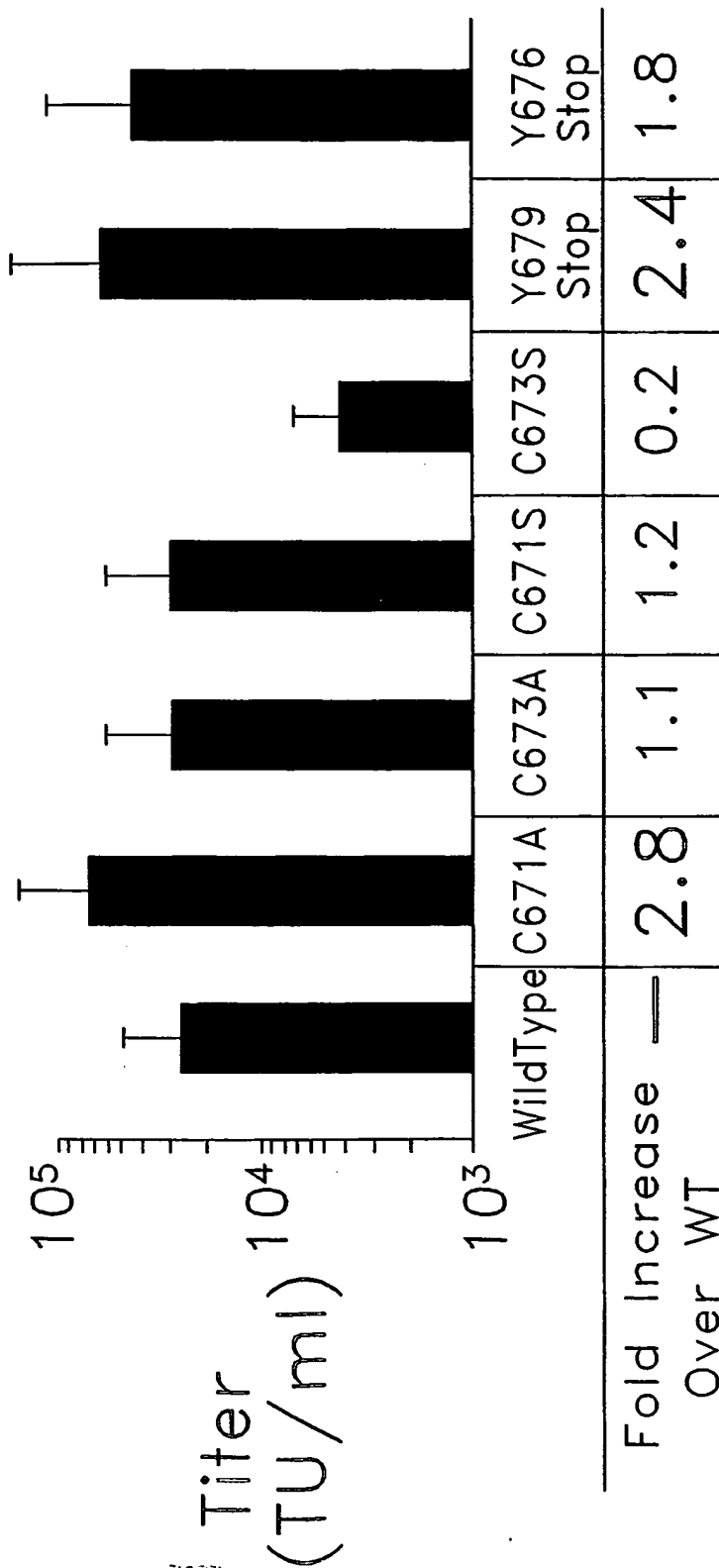


Fig. 8

Fig. 9B

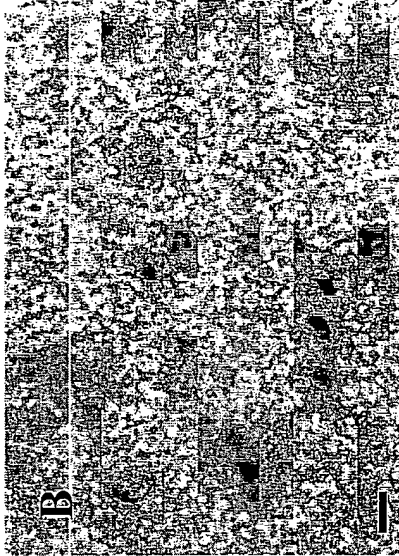


Fig. 9D

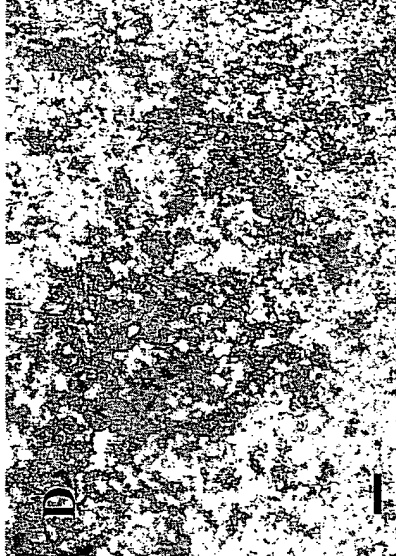


Fig. 9A

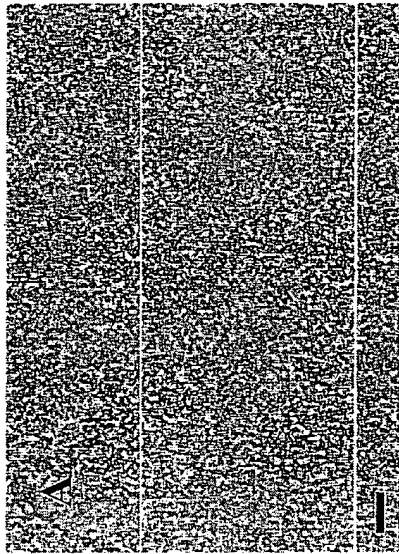


Fig. 9C



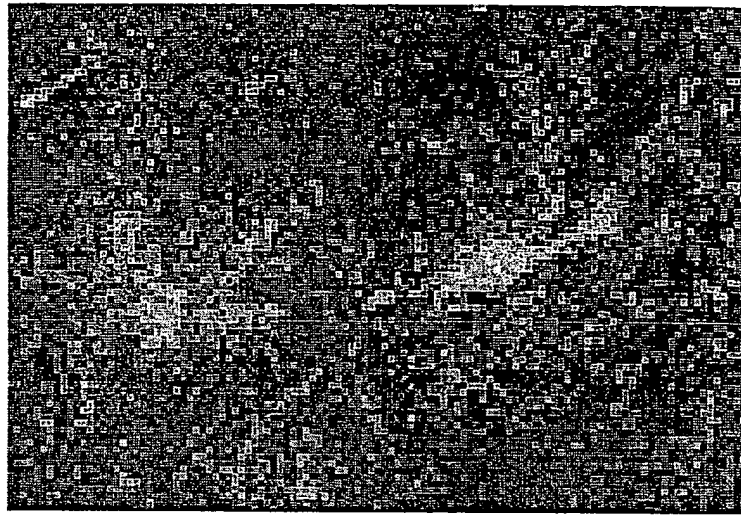


Fig. 10C



Fig. 10B



Fig. 10A

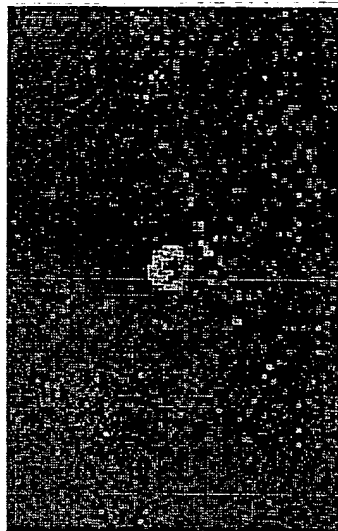


Fig. 11C



Fig. 11B

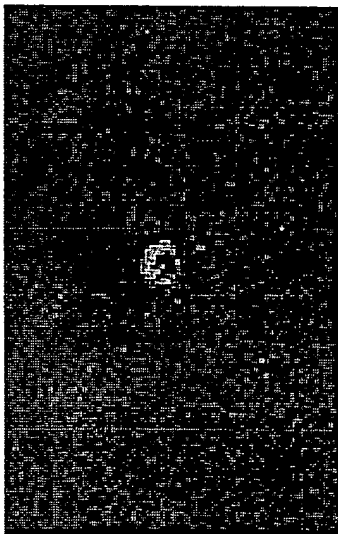


Fig. 11A



Fig. 12C

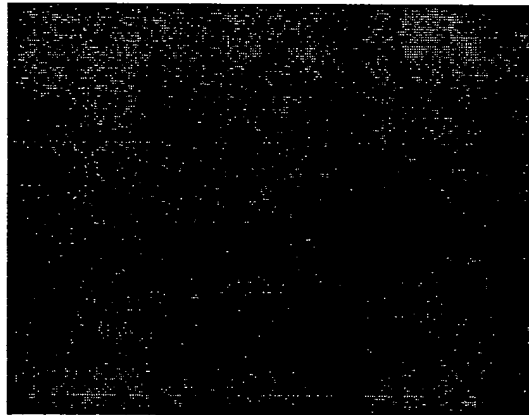


Fig. 12B

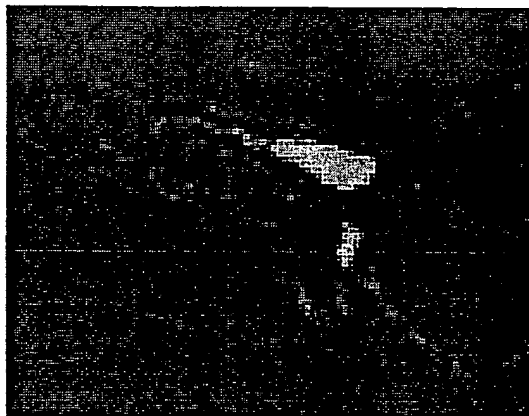


Fig. 12A

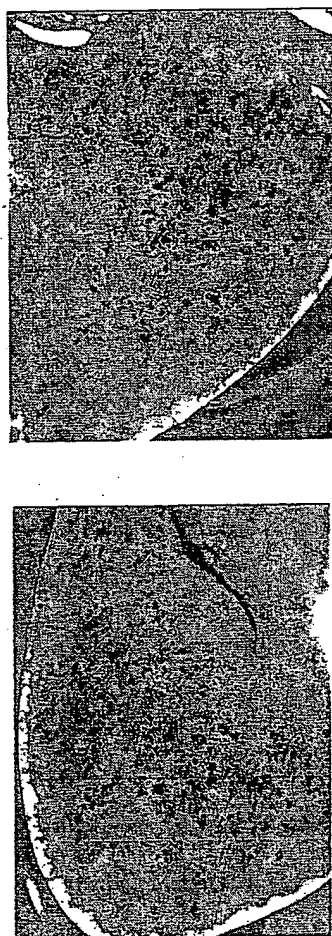


Fig. 13A

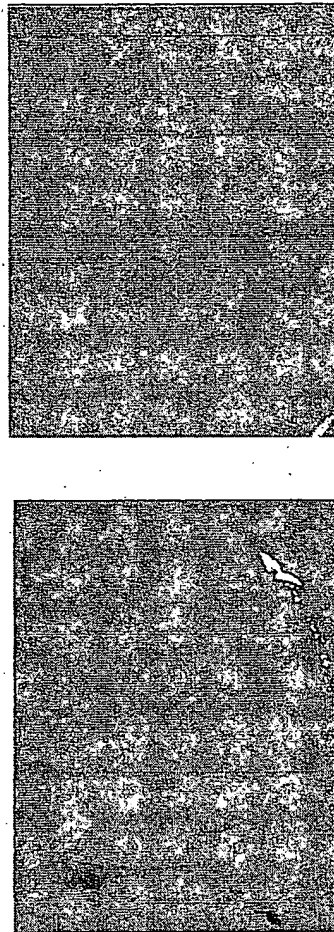


Fig. 13B

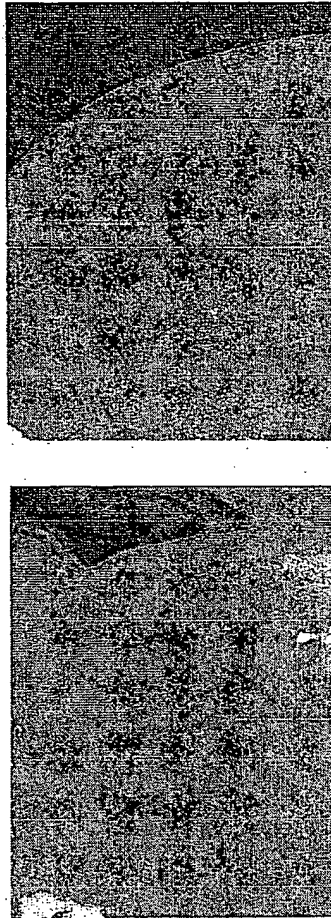


Fig. 13C

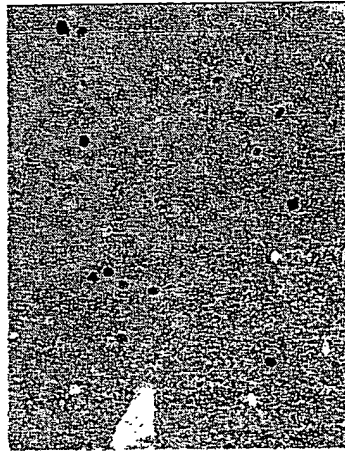


Fig. 13D



Fig. 13E

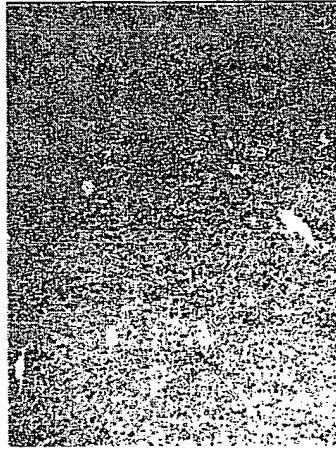
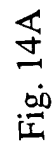


Fig. 13F



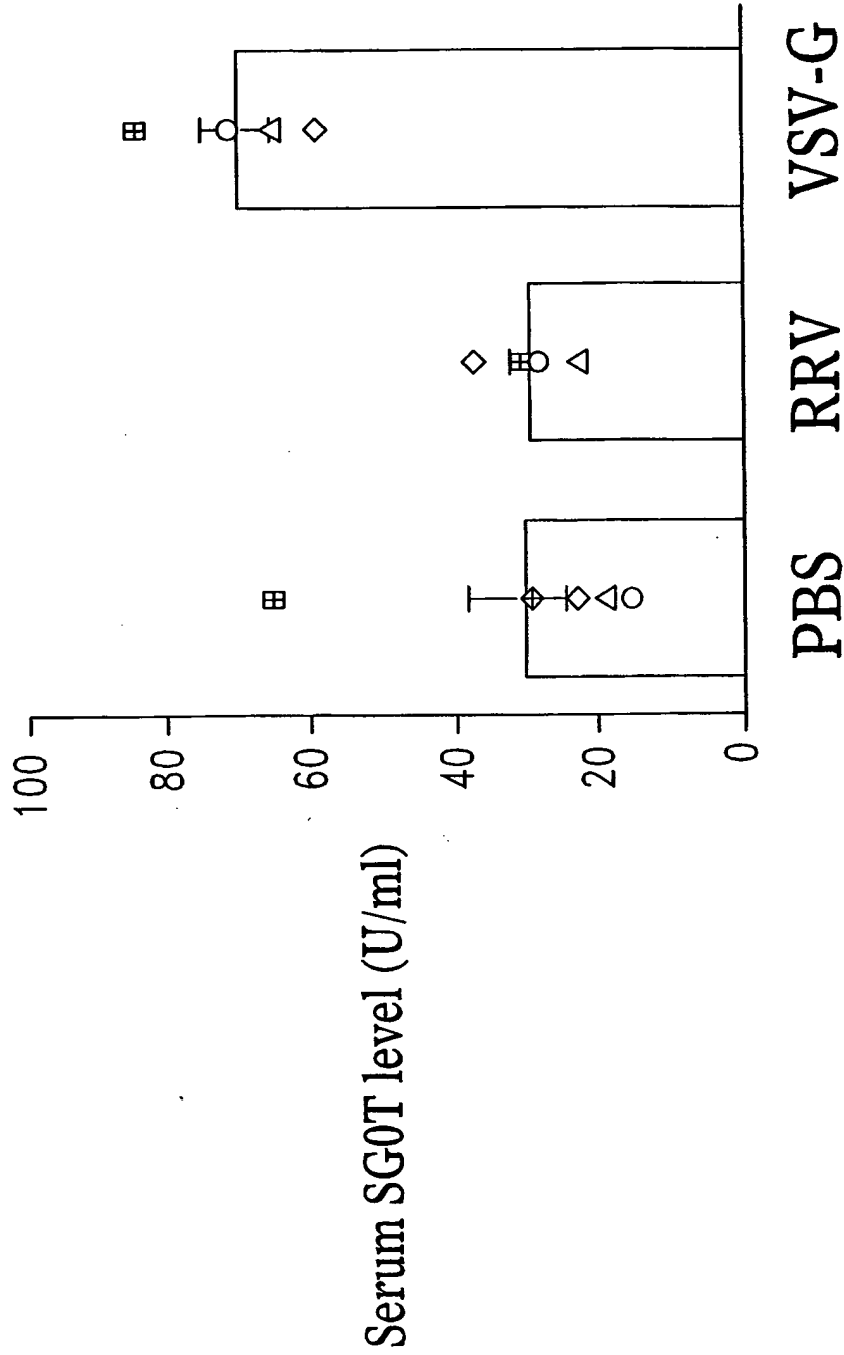


Fig. 14B

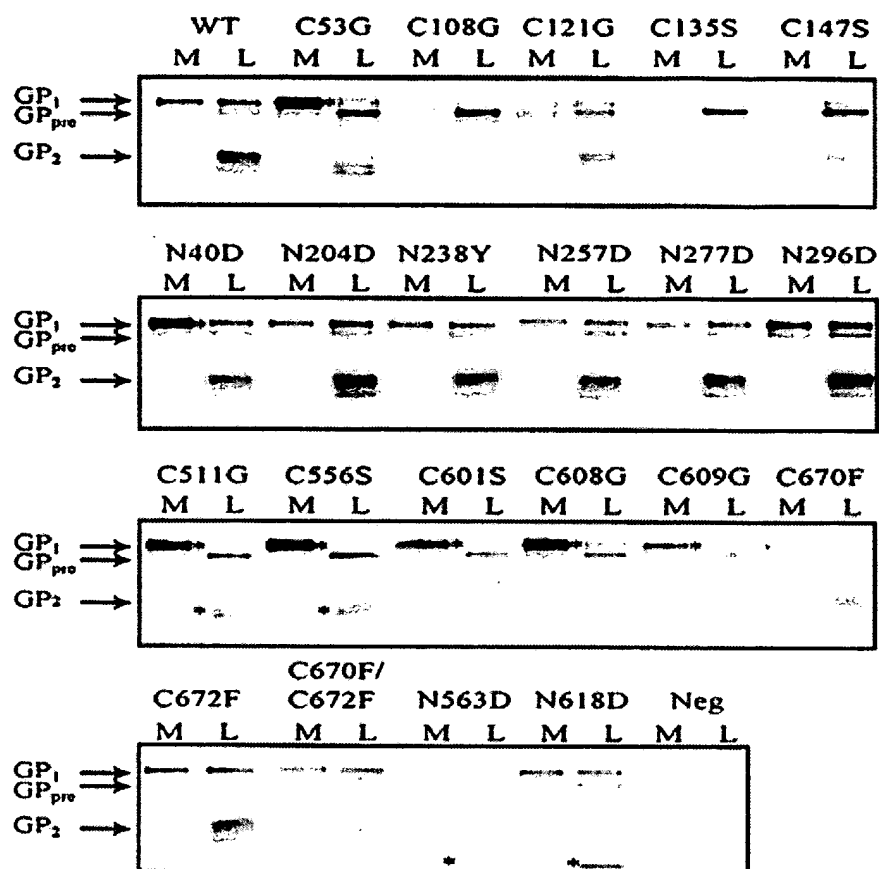


Fig. 15

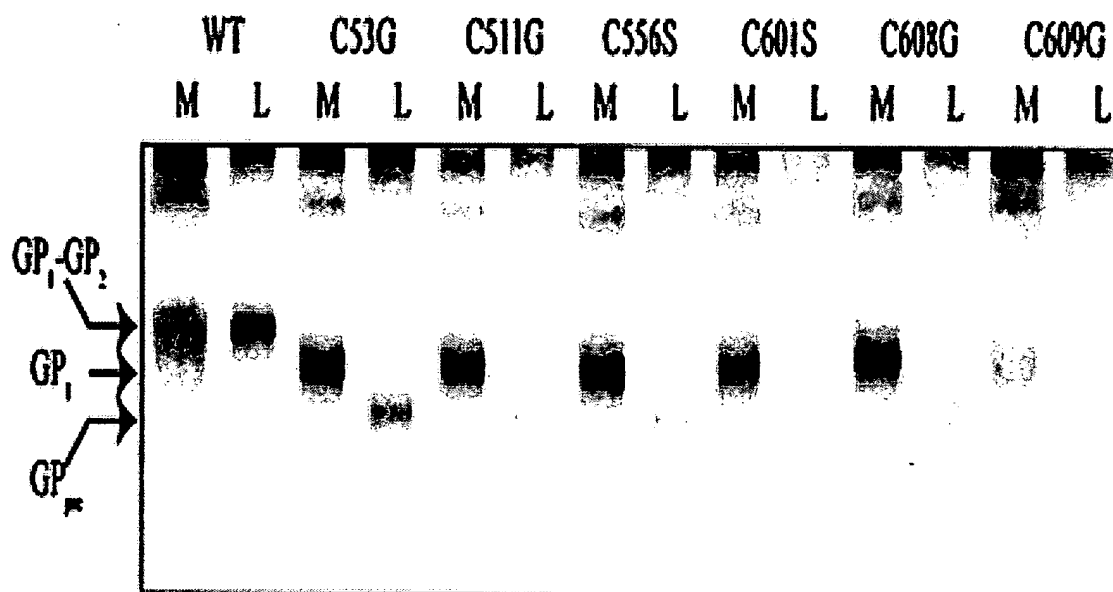


Fig. 16

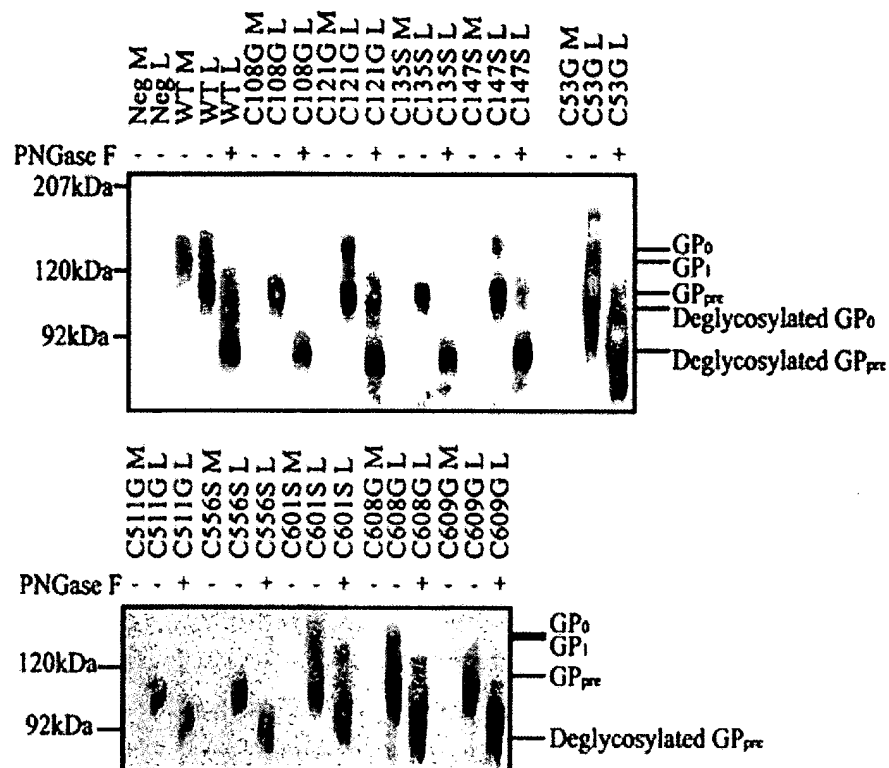


Fig. 17

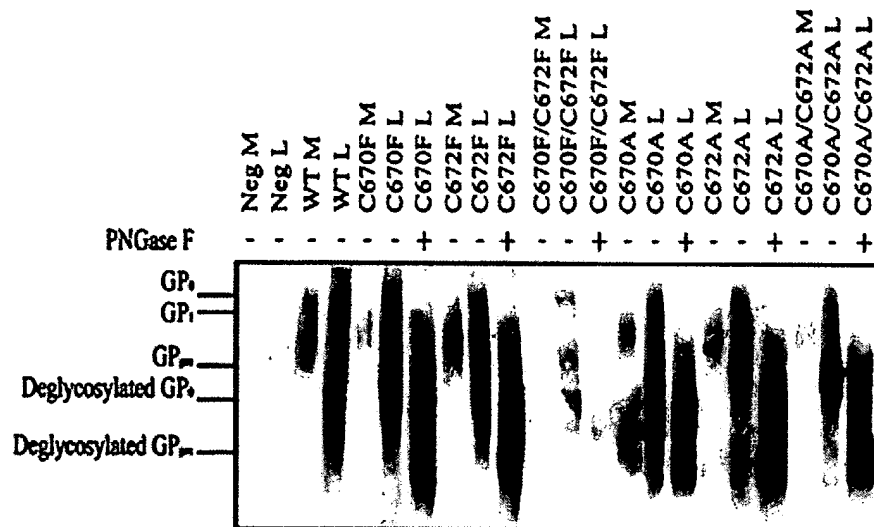


Fig. 18

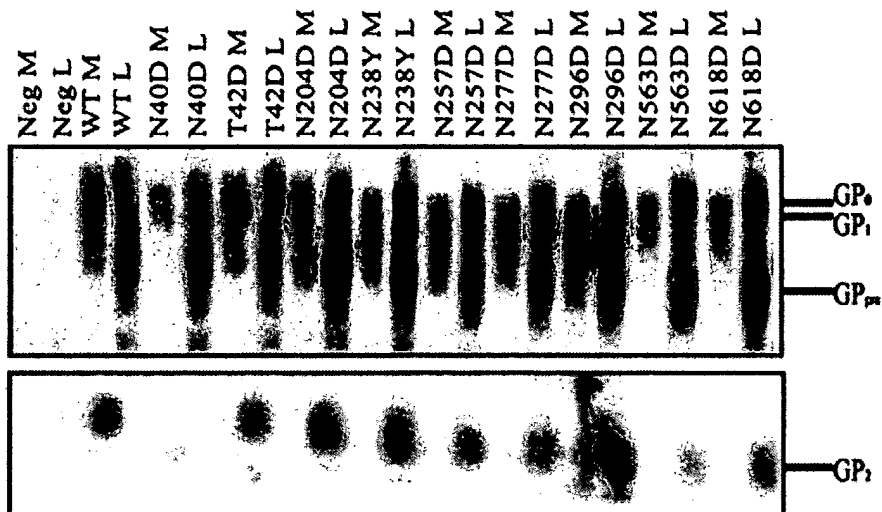


Fig. 19

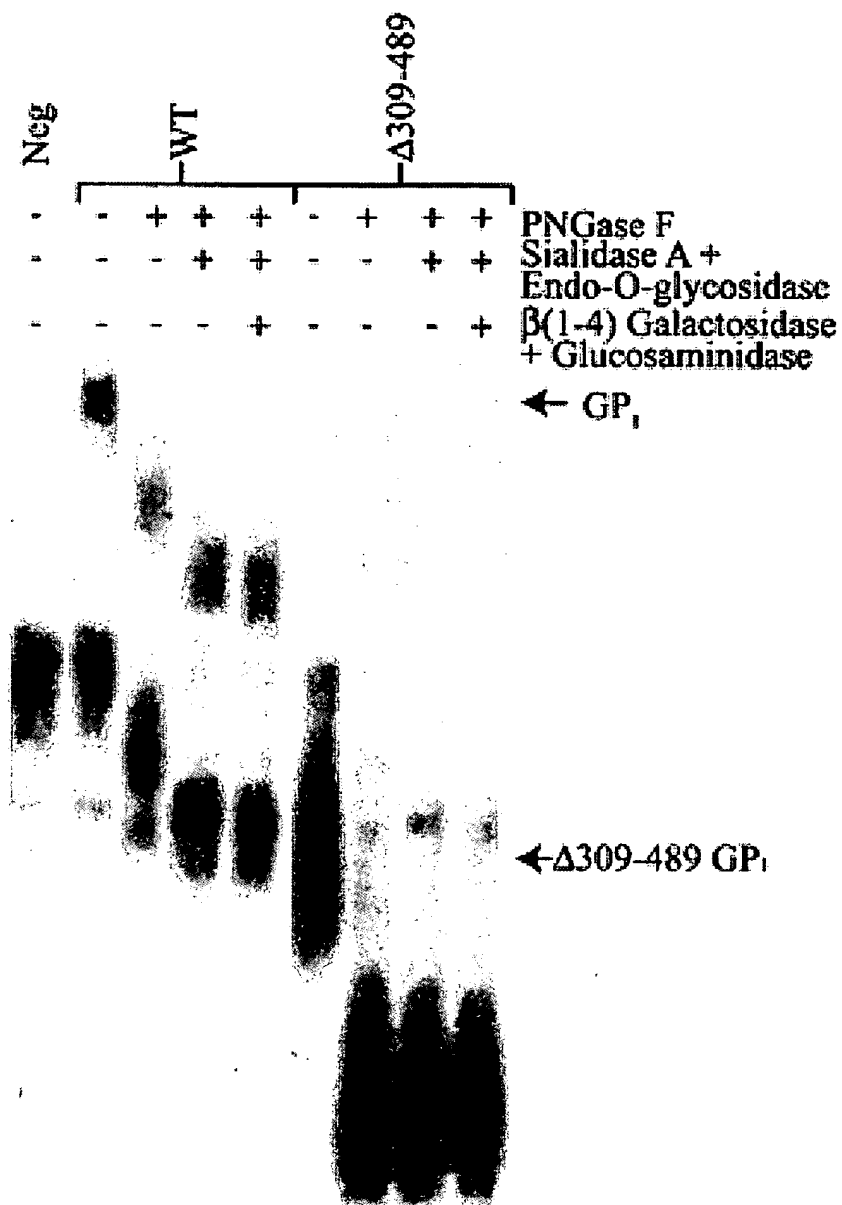


Fig. 20

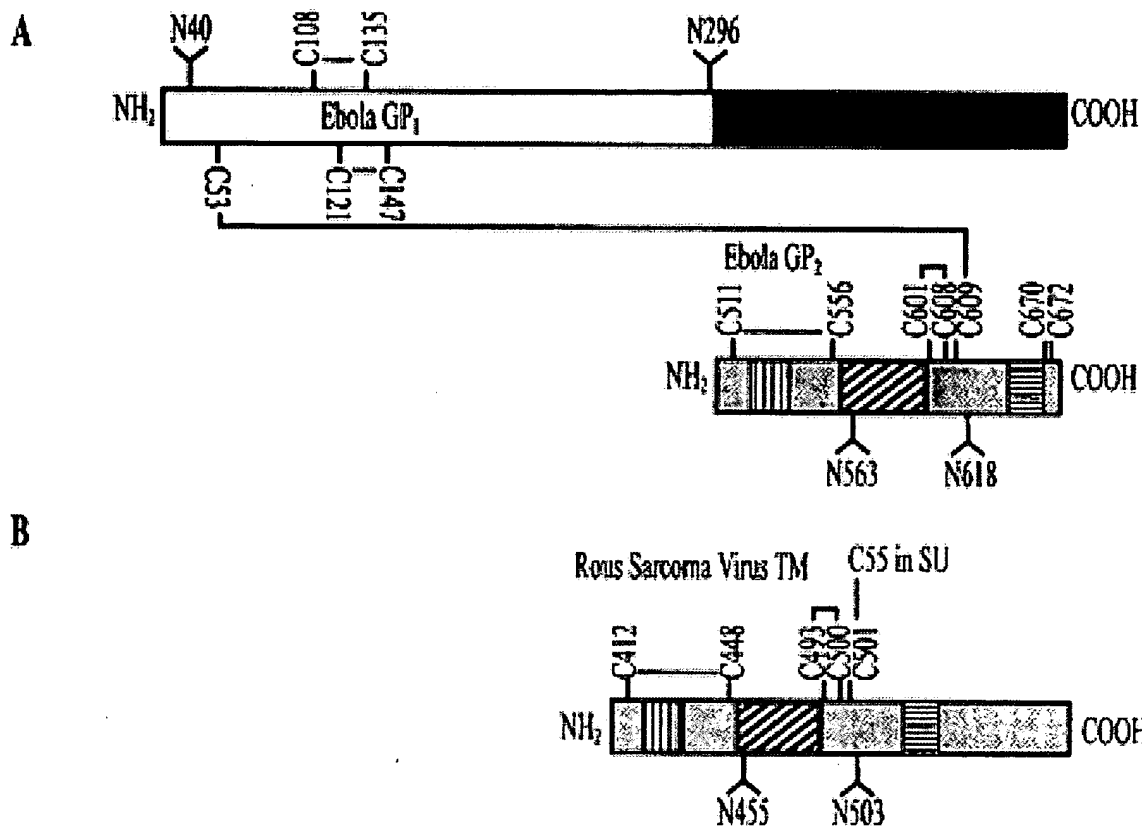


Fig. 21A and Fig. 21B

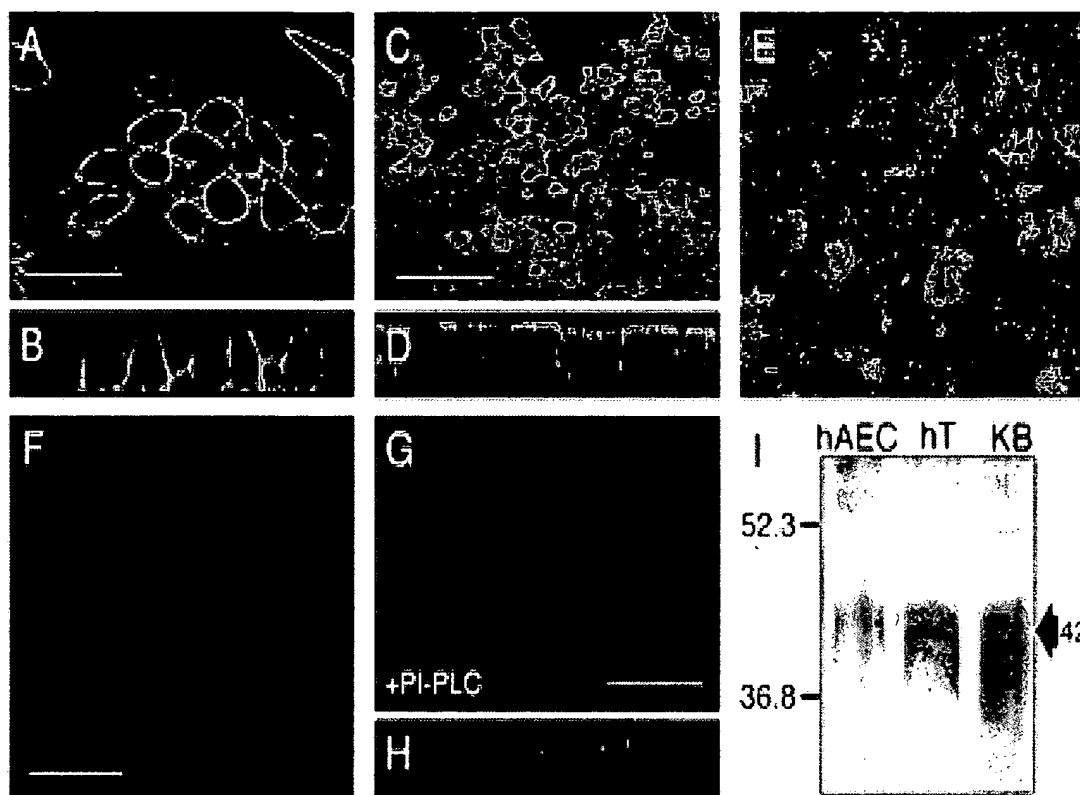


Fig. 22A through 22I

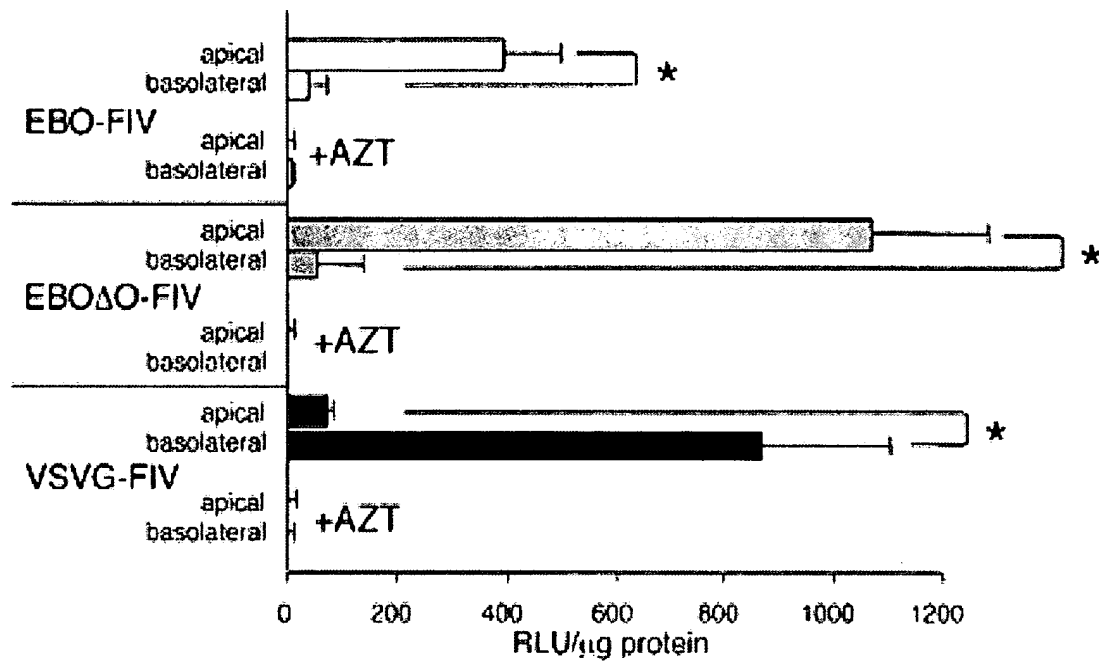


Fig. 23

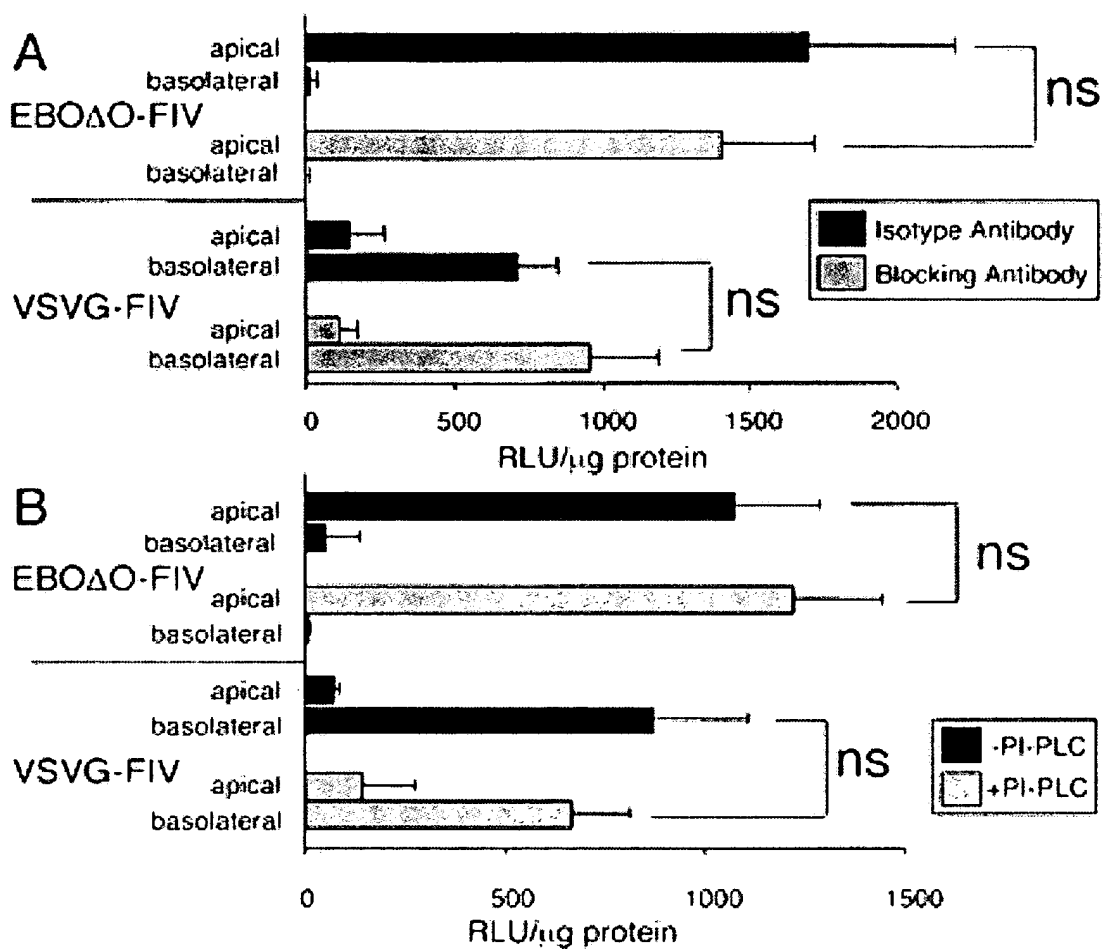


Fig. 24

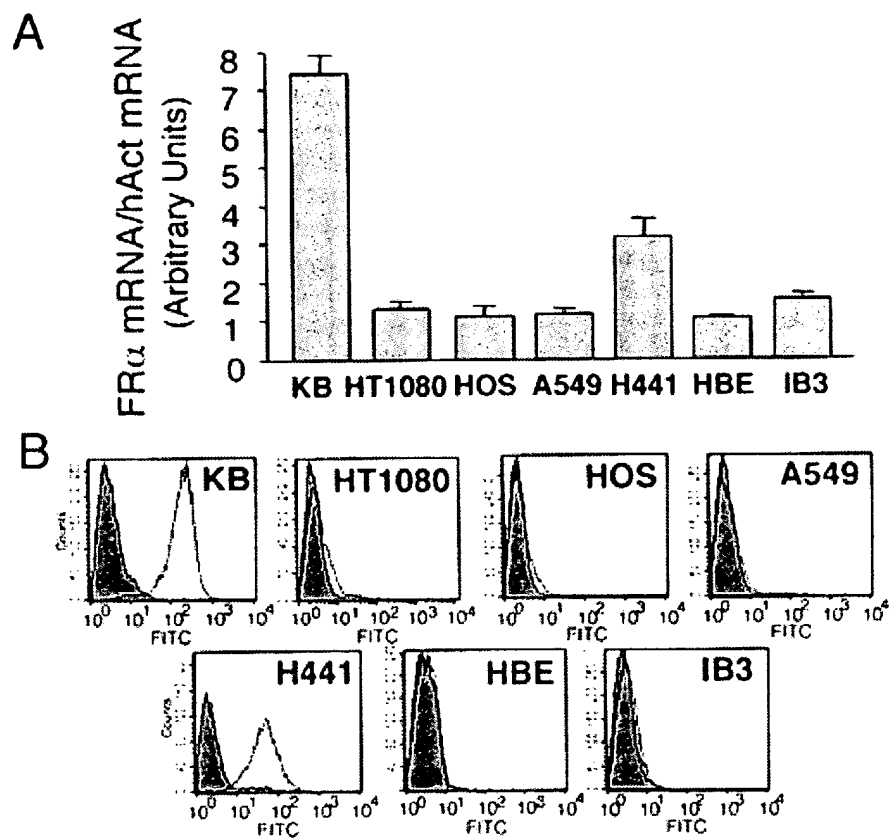


Fig. 25A and Fig. 25B

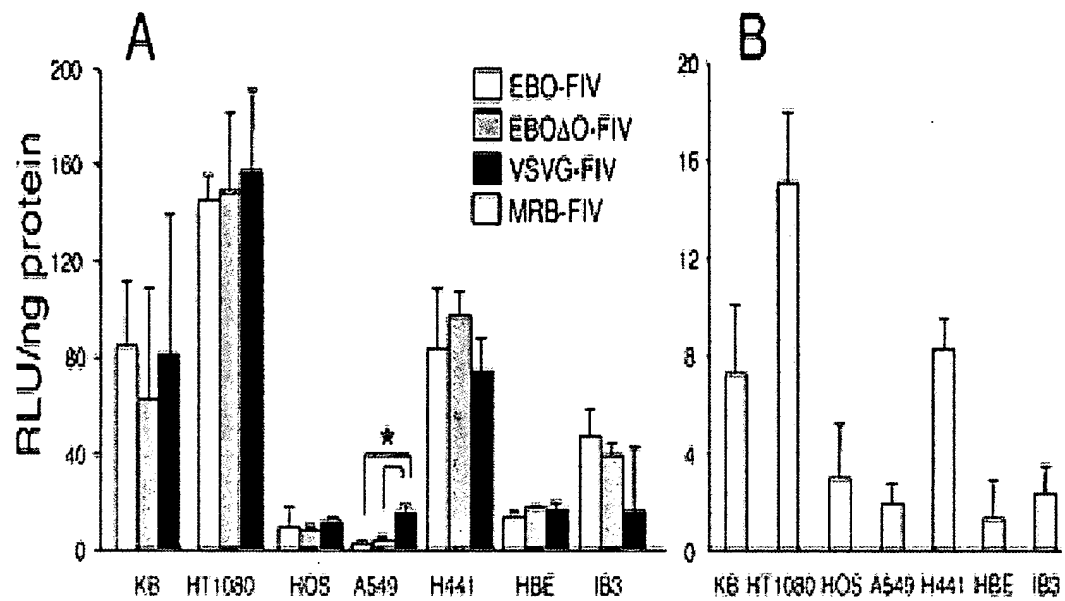


Fig. 26A and Fig. 26B

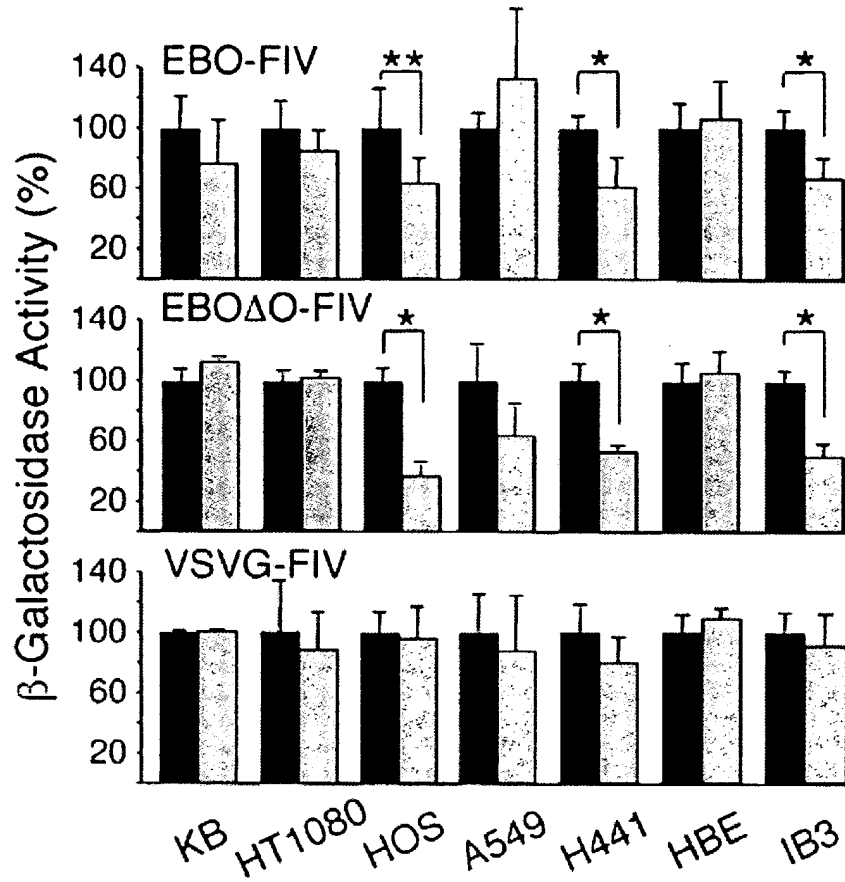


Fig. 27

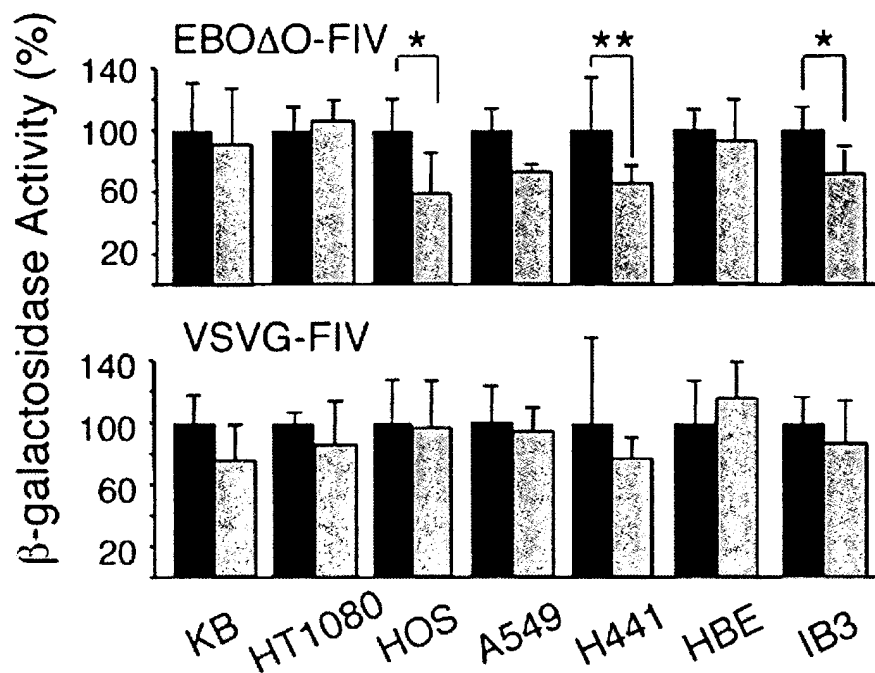


Fig. 28

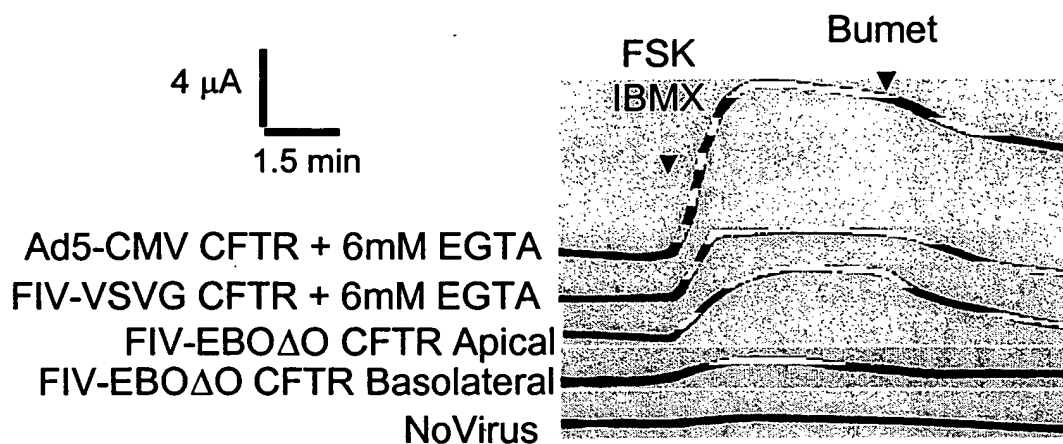


Fig. 29

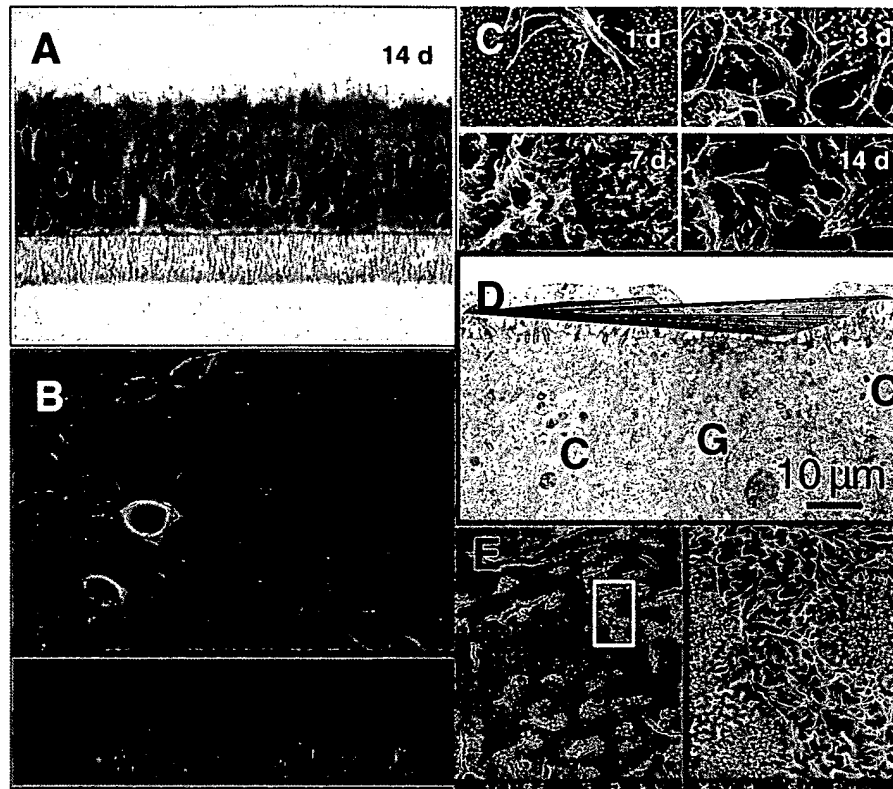


Fig. 30A through 30E

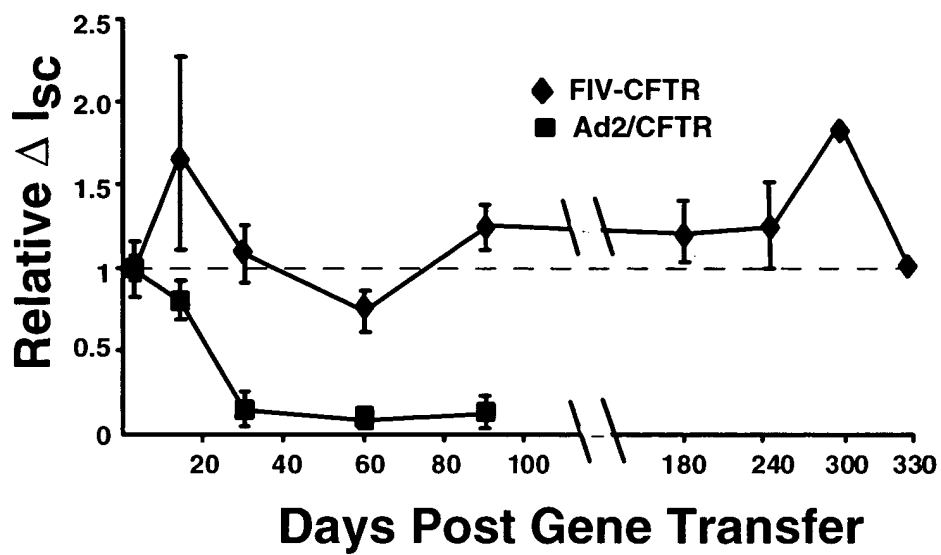


Fig. 31A

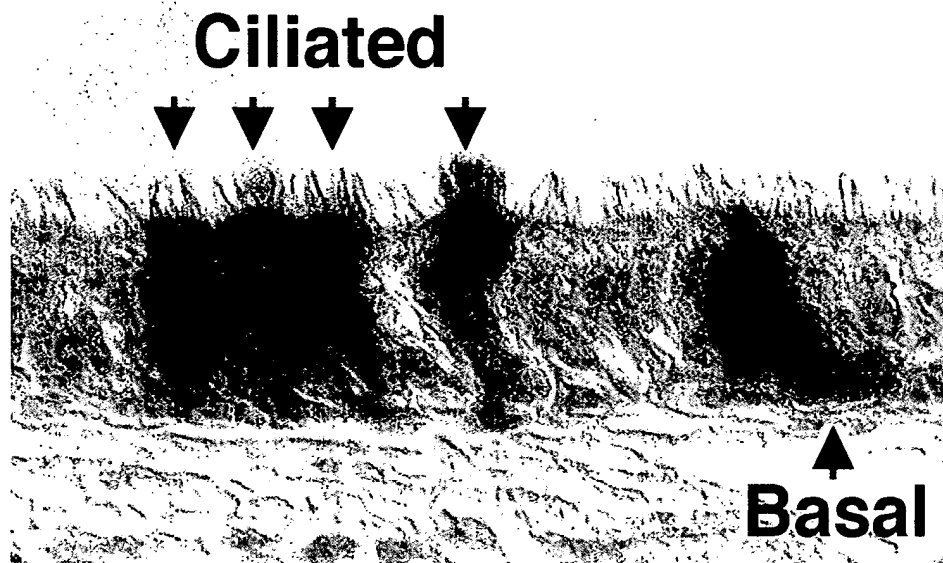
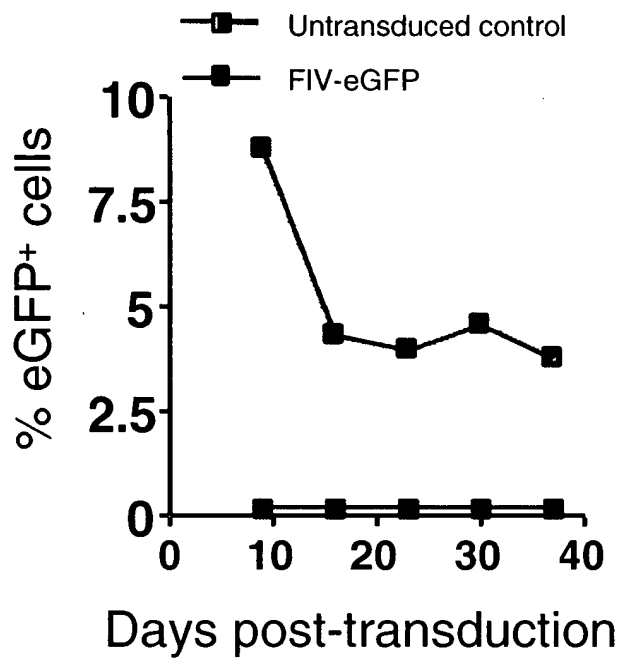


Fig. 31B

A



B

Genome Walker PCR
Day: 2 7 12 16 23 30 N P N P

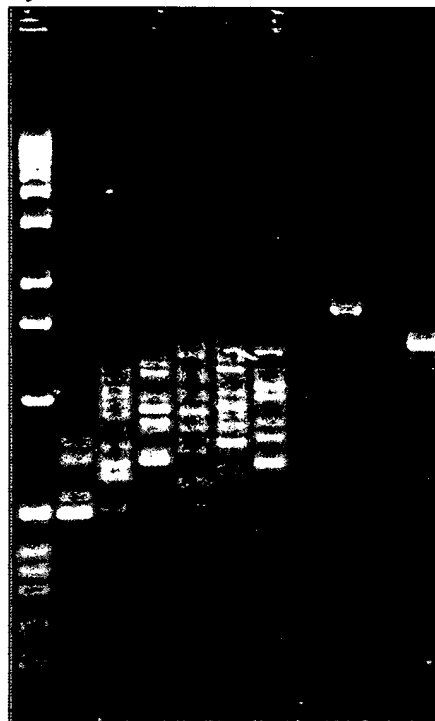


Fig. 32A and Fig. 32B

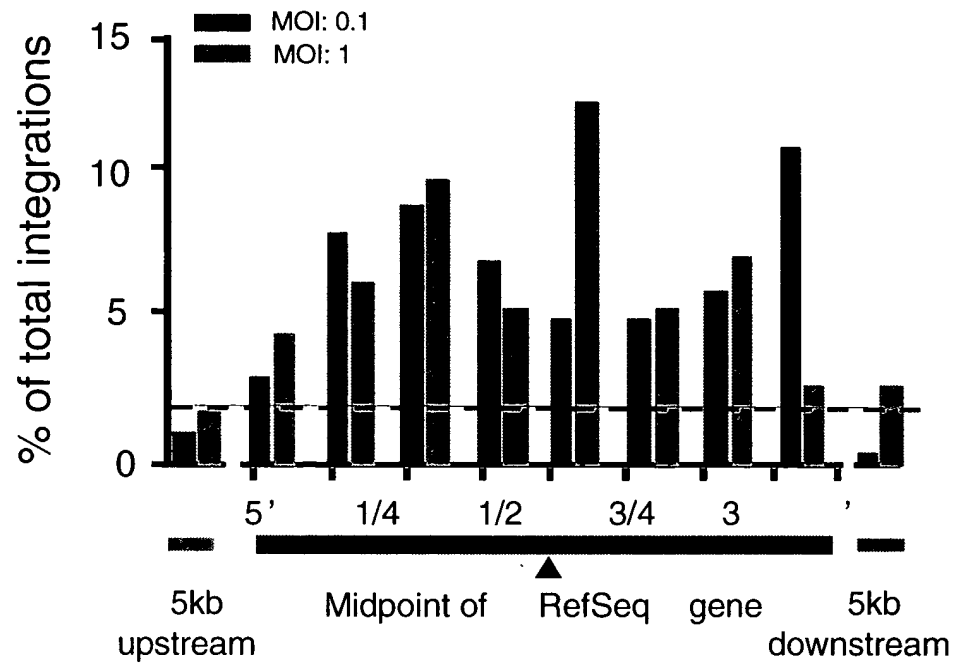


Fig. 33

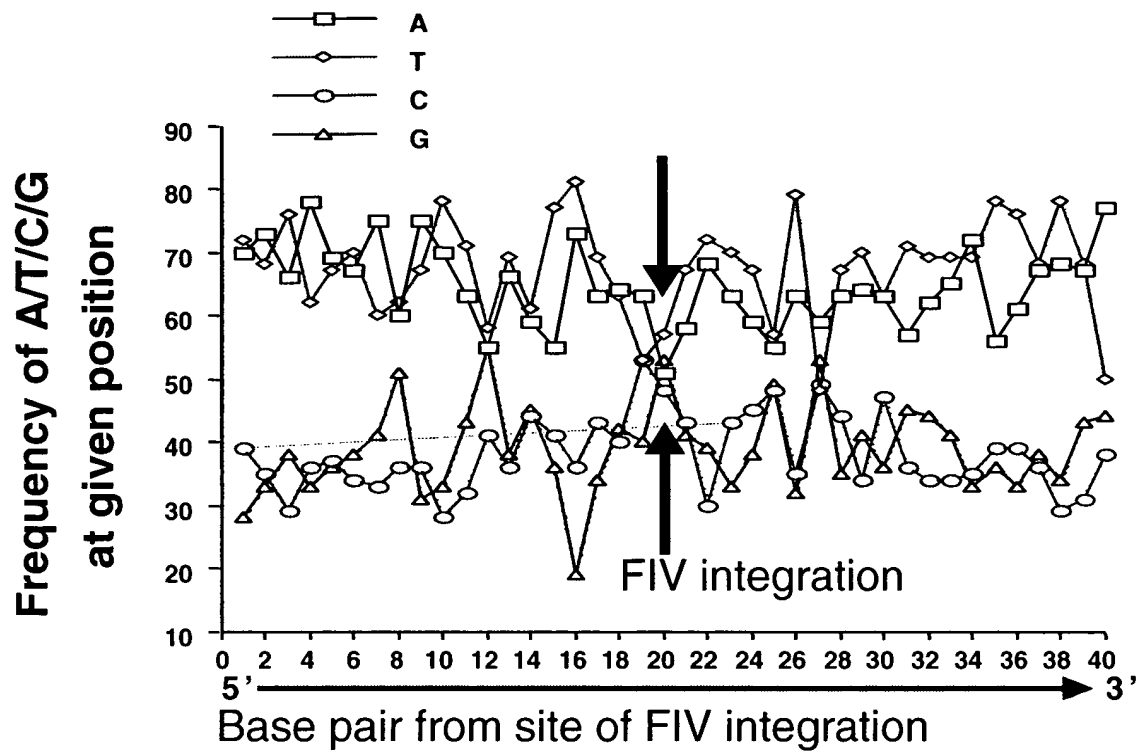


Fig. 34

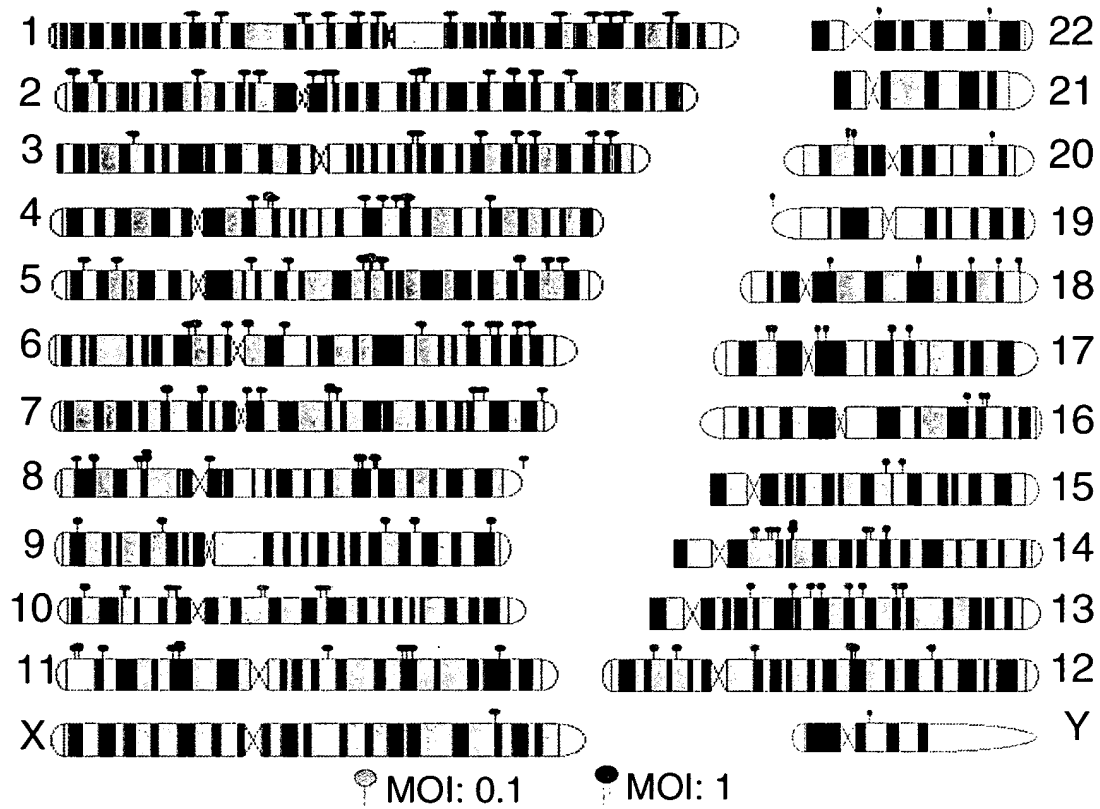


Fig. 35



Fig. 36

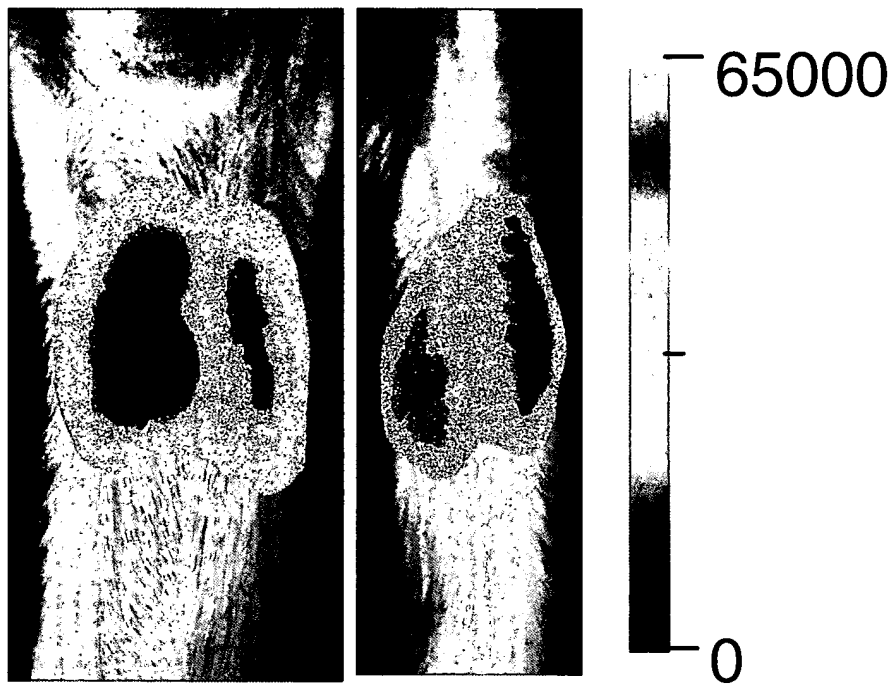


Fig. 37

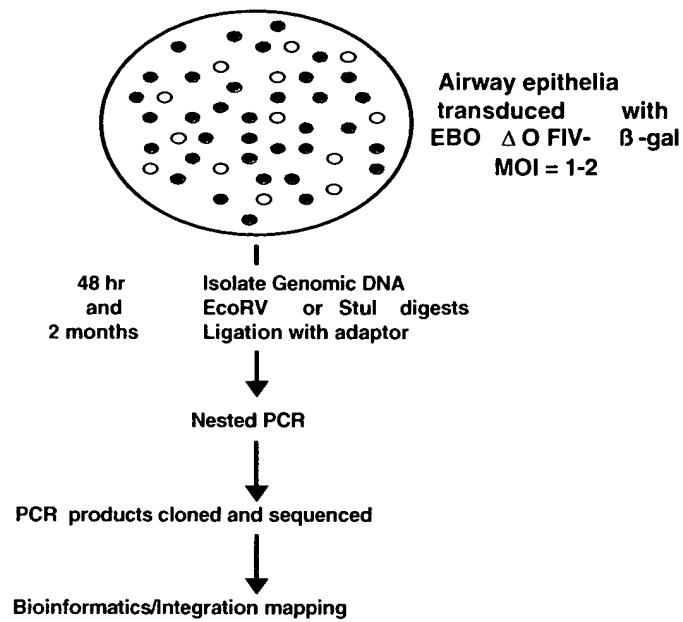


Fig. 38